

ABSTRACT

This is a high-speed, multi-lane machine and method for the continuous forming, filling and sealing of plastic or film pouches of various sizes commonly used to hold fluids, liquids, and viscous materials or other substances. The machine includes a film roll station, a pump station, a side seal station, a pull wheel station, a cross seal station, and a cross cut station. The invention provides for continuous production of pluralities of pouches without stops or delays by utilizing one or more moveable reciprocating carriages that travel with the flow of film through the machine, the carriages supporting each of the side sealing, cross sealing, and cross cutting stations. Coordination of the various stations is accomplished through electronic computer control, working in conjunction with a plurality of motion imparting devices such as servo motors, cam systems, linkages and the like. The various components of the machine are adjustable so that pouches of various lengths and/or widths may be formed using the same machine.

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